

Comparisons of Job Characteristics

Focus Occupation: [Cartographers and Photogrammetrists \(17-1021\)](#)

Associated Occupation: [Architectural and Civil Drafters \(17-3011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 48

Focus Occupation: Cartographers and Photogrammetrists (17-1021)

Associated Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Design	5.2	21.0	9.5	<<	Extensive education and/or training may be required
Building and Construction	4.0	15.5	2.3	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	15.2	5.4	<<	Extensive education and/or training may be required
Mathematics	9.2	13.3	9.9	<<	Extensive education and/or training may be required
Geography	3.9	7.9	19.1	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Cartographers and Photogrammetrists (17-1021)

Associated Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	6.2	11.0	7.9	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	8.0	1.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Cartographers and Photogrammetrists (17-1021)

Associated Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Near Vision	11.1	13.3	12.8	0	Current ability level may be sufficient
Visualization	7.5	12.5	9.1	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	11.5	10.7	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	10.1	8.1	<	Some improvement in abilities may be required
Flexibility of Closure	7.8	9.4	10.1	0	Current ability level may be sufficient
Number Facility	6.3	8.5	7.9	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Cartographers and Photogrammetrists (17-1021)

Associated Occupation: Architectural and Civil Drafters (17-3011)

Work Activities	Exclusivity of Activity
Analyze technical data, designs, or preliminary specifications	47
Collect geographic or physical data	81
Develop plans for programs or projects	31
Draw maps or charts	69
Draw prototypes, plans, or maps to scale	57
Interpret aerial photographs	69
Interpret maps for architecture, construction, or engineering project	77
Prepare technical reports or related documentation	22
Read technical drawings	7
Research property records	77
Understand engineering data or reports	48
Use computer aided drafting or design software for design, drafting, modeling, or other engineering tasks	58
Use drafting or mechanical drawing techniques	50
Use spreadsheet software	18

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 86

Focus Occupation: Cartographers and Photogrammetrists (17-1021)

Associated Occupation: Architectural and Civil Drafters (17-3011)

Tools and Technologies	Exclusivity
Business function specific software	1
Computer data input devices	2
Computer printers	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Drafting supplies	9
Industry specific software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.